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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/090,114	02/27/2002	Tsung-Yuan Liu	JCLA8313	3661
7590	07/01/2004		EXAMINER	
J.C. Patents, Inc. Suite 250 4 Venture Irvine, CA 92618			CHEN, CHONGSHAN	
			ART UNIT	PAPER NUMBER
			2172	
DATE MAILED: 07/01/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/090,114	LIU, TSUNG-YUAN
	Examiner Chongshan Chen	Art Unit 2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-11 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    - Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    - Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## **DETAILED ACTION**

1. Claims 1-11 are pending in this Office Action.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Morita (5,168,565) in view of Axaopoulos et al. ("Axaopoulos", 6,286,002).

As per claim Morita, Morita teaches an intelligent document management and usage method, wherein a storage media in the computer is used to store a plurality of documents, and there is a document link point corresponding to each of the documents, the intelligent document management and usage method comprises:

extracting automatically at least a keyword from each of the documents respectively, and using it as a plurality of attribute rows corresponding to the documents (Morita, col. 1, line 57 – col. 2, line 36);

providing a keyword directory table on the display screen for user usage and management, wherein the keyword directory table comprises a plurality of first keyword directories, the first keyword directories are composed of the union of the keywords contained in the documents (Morita, col. 5, lines 25-48).

Morita does not explicitly disclose wherein, when the user selects one of the first keyword directories, the document link points contained in the first keyword directory are displayed, moreover, a parent-son hierarchical relationship of the first keyword directory and a plurality of second keyword directories contained in the first keyword directory is also displayed, wherein the second keyword directories are united by the keywords of all the documents contained in the first keyword directory corresponding to the upper layer except for the keyword of the upper layer; and wherein, when the user repeatedly processes the operation of selecting the lower layer keyword directory, as long as the specific keyword directory displays the document link point of the document needed by the user, the user can select the needed document.

Axaopoulos discloses when the user selects one of the first keyword directories, the document link points contained in the first keyword directory are displayed, moreover, a parent-son hierarchical relationship of the first keyword directory and a plurality of second keyword directories contained in the first keyword directory is also displayed, wherein the second keyword directories are united by the keywords of all the documents contained in the first keyword directory corresponding to the upper layer except for the keyword of the upper layer; and wherein, when the user repeatedly processes the operation of selecting the lower layer keyword directory, as long as the specific keyword directory displays the document link point of the document needed by the user, the user can select the needed document (Axaopoulos, col. 6, lines 23-27). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to traverse the keyword directory table in the document retrieval system of Morita in order to retrieve the desired document.

As per claim 2, Morita and Axaopoulos teach all the claimed subject matters as discussed in claim 1, and further teach an add step and a delete step (Morita, col. 4, line 63-65, col. 13, lines 59-63).

As per claim 3, Morita and Axaopoulos teach all the claimed subject matters as discussed in claim 2, and further teach the user adding the document link point corresponding to the selected document to another keyword directory related to the document; and adding at least a keyword to the attribute row corresponding to the document (Morita, col. 4, lines 57-67).

As per claim 4, Morita and Axaopoulos teach all the claimed subject matters as discussed in claim 2, and further teach the user deleting the document link point corresponding to the selected document from the keyword directory; and deleting at least a keyword from the attribute row corresponding to the document (Morita, col. 13, lines 58-67).

As per claim 5, Morita teaches an intelligent document management and usage method, wherein, a storage media stores a plurality of documents, and there is a document link point corresponding to each of the documents, the intelligent document management and usage method comprises:

providing a document list related to the documents (Morita, col. 1, line 57 – col. 2, line 36);

extracting automatically at least a keyword from each of the documents, and using it as a plurality of attribute rows corresponding to the documents (Morita, col. 1, line 57 – col. 2, line 36);

obtaining a keyword list by using the keywords (Morita, col. 1, line 57 – col. 2, line 36);

obtaining a relationship index table according to the document list and the keyword list; providing a keyword directory table to the display screen for user usage and management, wherein the keyword directory table comprises a plurality of first keyword directories, and the first keyword directories are obtained according to the relationship index table (Morita, col. 1, line 57 – col. 2, line 36).

Morita does not explicitly disclose when the user selects one of the first keyword directories, the document link points contained in the first keyword directory are displayed, moreover, a parent-son hierarchical relationship of the first keyword directory and a plurality of second keyword directories contained in the first keyword directory is also displayed, wherein according to the relationship index table, the second keyword directories are united by the keywords of all the documents contained in the first keyword directory corresponding to the upper layer except for the keyword of the upper layer; and wherein, when the user repeatedly processes the operation of selecting the lower layer keyword directory, as long as the specific keyword directory displays the document link point of the document needed by the user, the user can select the needed document. Axaopoulos discloses when the user selects one of the first keyword directories, the document link points contained in the first keyword directory are displayed, moreover, a parent-son hierarchical relationship of the first keyword directory and a plurality of second keyword directories contained in the first keyword directory is also displayed, wherein according to the relationship index table, the second keyword directories are united by the keywords of all the documents contained in the first keyword directory corresponding to the upper layer except for the keyword of the upper layer; and wherein, when the user repeatedly processes the operation of selecting the lower layer keyword directory, as long as the specific

keyword directory displays the document link point of the document needed by the user, the user can select the needed document (Axaopoulos, col. 6, lines 23-27). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to traverse the keyword directory table in the document retrieval system of Morita in order to retrieve the desired document.

Claims 6-8 are rejected on grounds corresponding to the reasons given above for claims 2-4.

As per claim 9, Morita and Axaopoulos teach all the claimed subject matters as discussed in claim 5, except for explicitly disclosing the relationship between the document list and the keyword list is many-to-many. However, it is well known in the art that the relationship between two tables must be one of the following: many-to-many, one-to-many, many-to-one, one-to-one.

As per claim 10, Morita and Axaopoulos teach all the claimed subject matters as discussed in claim 5, except for explicitly disclosing the relationship between the document list and the keyword list is one-to-many. However, it is well known in the art that the relationship between two tables must be one of the following: many-to-many, one-to-many, many-to-one, one-to-one.

As per claim 11, Morita and Axaopoulos teach all the claimed subject matters as discussed in claim 5, except for explicitly disclosing the relationship between the document list and the keyword list is many-to-one. However, it is well known in the art that the relationship between two tables must be one of the following: many-to-many, one-to-many, many-to-one, one-to-one.

***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chongshan Chen whose telephone number is 703-305-8319. The examiner can normally be reached on Monday - Friday (8:00 am - 4:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (703)305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 24, 2004



SHAHID ALAM  
PRIMARY EXAMINER